

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A planar antenna structure for a radio device having at least one operating band comprising:

a ground plane;

a radiating element galvanically isolated from other conductive parts of the radio device;

a feed element having an antenna feed point, wherein the feed element is only electromagnetically coupled to the radiating element so as to transfer energy to the radiating element and receive energy from the radiating element; and

a feed circuit that couples the antenna feed point to an antenna port of the radio device, ~~wherein the radiating element is galvanically isolated from other conductive parts of the radio device, wherein the feed element is only electromagnetically coupled to the radiating element to transfer transmitting energy to field of the radiating element and receiving energy to field of the feed element, and the feed circuit is~~ includes a reactive component and also couples the antenna feed point to the ground plane;

~~in order to set~~ whereby said at least one operating band is set to a desired range on the frequency axis and to match the antenna.

2. (Currently Amended) A planar antenna structure according to claim 1, ~~comprising~~ wherein said feed circuit comprises a feed circuit board between the feed element and the ground plane.

a feed circuit including a feed circuit board between the feed element and the ground plane, wherein the feed circuit includes a reactive component;

the feed circuit board including a feed conductor and a ground conductor, wherein the feed conductor and the ground conductor are meandering strip conductors, which have certain inductances to form said reactive component;

the ground conductor configured to electromagnetically couple the feed conductor to the ground plane at a point in the feed conductor; and

an antenna port of the radio device; and

~~a feed circuit board between the feed element and the ground plane; wherein the radiating element is galvanically isolated from other conductive parts of the radio device, wherein the feed element is electromagnetically coupled to the radiating element to transfer transmitting energy to field of the radiating element and receiving energy to field of the feed element, and wherein the feed circuit is reactive and also connects an antenna feed point in the feed element to the antenna port;~~

~~in order to set whereby said at least one two operating band are provided to a desired range on the frequency axis and to match the antenna.~~